

DuPont Graphics

Little labels, big banners and everything in between



The miracles of science™

LONG-LASTING GRAPHICS WITH DUPONT™ TYVEK®

DuPont Graphics helps bring strength, durability and vibrant colors to everything you print—banners that won't fade¹ or rip under punishing exposure to the elements and labels for everything from law labels to shellfish tags. DuPont Graphics applications help ensure your printed materials will last and continue to look great.

Even better, DuPont Graphics substrates are easy to use. With a variety of thicknesses to choose from, including the legendary strength of DuPont™ Tyvek® and the superior smoothness and readability of DuPont™ Tyvek® Brillion®, there's a DuPont Graphics application to fit every printing project.

The Strength of DuPont™ Tyvek®

The strength of DuPont™ Tyvek® helps allow you to print everything from rolling display panels to outdoor banners with brilliant, attention-getting colors and long-lasting performance. DuPont™ Tyvek® is specially engineered to withstand water and extreme temperatures; to provide a non-glare surface for easier viewing; and to help protect colors and graphics from yellowing or fading.

Tyvek® provides the flexible printing properties of paper, but with greater strength and durability than paper, fabric or film. Tyvek® is non-toxic, chemically inert and contains no binders, creating a printing surface that is easy to work with and binds well with adhesives and coating materials. Tyvek® can also be used to reinforce and strengthen other materials that endure repeated folding or bending. Its outstanding flexural strength easily exceeds 20,000 cycles before breaking.

Proven Performance of DuPont™ Tyvek®

- Strong and durable, even in extended exposure to sun, heat, cold or wind
- Withstands extreme temperatures (from -100°F to 270°F, -56°C to 104°C)
- Resists rot and mildew, perfect for outdoor use
- Resists fading for long-lasting colors¹
- Tear and puncture-resistant
- Water and chemical-resistant
- Can be sewn or glued without losing strength
- Affordable and easy to print
- Recyclable
- Neutral PH

¹When light-fast inks are used

Highly printable with brightly colored inks that last outdoors.



Able to withstand temperature extremes.

Can be sewn or glued on without losing strength.



Tear and water-resistant, protecting details and specifications.



Tags and Labels

There are thousands upon thousands of uses for tags and labels, and DuPont Graphics has a lightweight, durable solution for all of them—everything from tough, durable DuPont™ Tyvek® to smoother and brighter DuPont™ Tyvek® Brillion®.



Maps and Guides

The elements may be no match for a determined camper or fisherman, but maps, trail signs and other outdoor guides are another matter. That's why you should always print yours on tough, weather-resistant DuPont Graphics substrates.



Banners and Signs

Look around you. Advertising is everywhere. That's why your banners and signs need every edge they can get. That means strikingly vibrant colors to break through the clutter, and all-weather survivability to last as long as possible. DuPont Graphics helps your advertising get noticed—and remembered—again and again.



General Graphics and Identification

Just about everything you print can benefit from greater strength, lighter weight, all-weather survivability, superior vibrance and lower cost. That's why DuPont Graphics products have become the substrate of choice for so many typical—and not so typical—printing applications.



Superior performance for any application

DuPont Graphics has a lightweight, durable solution for all of your printing needs. DuPont Graphics helps you create tags and labels that are easier to see, more comfortable to wear and able to stand up to moisture and other challenges. They also help you turn banners and signs into vibrant, weather-proof ads and create maps and guides that will endure high use and refolding. Bags, book covers and other general graphics will look brighter and last longer than ever before. And your reinforcing jobs will instantly gain new strength.



Resources to get the job done right

When you work with DuPont Graphics, you get more than just one of the strongest surface materials for printing. You also get access to a network of printers, distributors and ancillary product suppliers to help you get the job done right. The DuPont™ Tyvek® Preferred Printer Program brings people who need things printed together with those printers best suited for their jobs. DuPont™ Tyvek® Preferred Printers are the most experienced at producing successful, high-quality results using DuPont Graphics products for virtually every application.

In addition, our online Distributor Finder can help you locate suppliers for whatever DuPont Graphics products you need. And our network of Ancillary Product Suppliers can help you find other materials needed to complete your printing project, from inks and adhesives, to die-hole punching, thermal transfer ribbons and flame-retardant coatings.

No matter what the printing project, DuPont Graphics is committed to helping you get it done right.

DuPont™ Tyvek® for graphics applications is available in these styles

PROPERTY:	TEST METHOD:	STYLE:									
		1025D	1056D	1059B	8740D	1073D	1079	1085D	4173DR ⁶	1443R	7657D ⁵
BASIS WEIGHT (oz/yd ²) lbs per mmsi	ASTM D3776 ¹	1.25 60	1.60 77	1.90 64	2.00 96	2.20 106	2.85 137	3.20 157	2.2 105	1.25 60	2.00 96
THICKNESS (mils) sigma range (roll avg.) (+/- 4)	ASTM D1777 ² n/a	5.0 6.3/3.8	6.3 7.7/4.8	6.5 7.7/5.3	7.5 8.8/6.1	7.5 8.8/6.2	7.9 9.0/6.9	10.3 11.6/9.0	7.5 8.8/6.2	5.3 4.3/6.2	7.5 8.8/6.1
TENSILE STRENGTH (lb/in.) -MD -CD	ASTM D5035 ³ ASTM D5035 ³	20.4 22.5	24.2 27.9	36.6 39.2	34.8 38.3	41.7 47.1	62.9 68.0	65.1 72.0	44.7 55.3	9.0 11.0	34.8 38.3
ELONGATION (%) -MD -CD	ASTM D5035 ASTM D5035	14 19	15 29	21 26	18 23	20 24	22 28	23 27	21 26	— —	18 23
WORK TO BREAK (in.-lb) -MD -CD	ASTM D5035 ASTM D5035	9 13	11 17	17 25	19 27	24 34	43 58	45 59	23.7 29.4	3.1 5.4	19 27
ELMENDORF TEAR (lb) -MD -CD	ASTM D1424 ASTM D1922	0.84 0.82	1.14 1.06	0.67 0.72	1.08 1.04	0.92 0.88	0.72 0.80	1.11 1.03	0.88 1.08	— —	1.08 1.04
OPACITY (%)	TAPPI T425	94.6	98.0	90.7	97.6	95.1	93.0	96.8	97.2	—	97.6
DELAMINATION/ INTERNAL BOND STRENGTH (lb/in.)	ASTM D2724	0.28	0.25	0.50	0.29	0.42	0.72	0.50	0.55	0.10	0.29
GURLEY HILL POROSITY (seconds)	ASTM D276 ⁴	32	21	22	20	23	47	36	24	69	20
PARKER SMOOTHNESS (microns)	TAPPI 555	3.8	4.0	4.5	4.5	4.7	6.4	5.7	4.2	—	4.5
TREATMENT -corona -antistat	n/a n/a	yes yes	yes yes	yes yes	yes yes	yes yes	yes yes	yes yes	yes yes	yes yes	yes yes
ADDITIONAL PROCESSING	n/a	—	—	—	—	—	embossed	—	—	—	—

¹Modified for specimen size

²7.15 psi, 0.625 in. diameter presser foot

³Cut strip; CRE tensile tester, crosshead speed of 2 in./min. and gauge length of 5 in.

⁴1.0 in² orifice size at 20 oz. cylinder weight

⁵Banner applications only

⁶Preliminary data

NOTES:

All properties are **typical** values based on roll averages.

MD = Machine Direction; CD = Cross Direction

For all styles with antistat, the log of the **electrical resistivity** has a **maximum** roll average of 9.8 ohms/square (at 55% relative humidity, smooth and rough side).

Find all the resources you need,
all in one place at www.graphics.dupont.com

From a nationwide network of quality printers, to suppliers
who can help you find the right inks, adhesives and coatings,
we have the support you need to get the job done.
Call 1-800-44-TYVEK

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